

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0003] with the following paragraph:

[0003] It is sometimes desirable to use general purpose programming languages for specialized development projects. For example, if it is desired to use the C++ language for electrical hardware design and modeling, this language can be modified to add hardware-oriented constructs as a class library. This type of use for general programming languages may span design and verification from concept to implementation in hardware and software. An example of a commonly adopted standard for implementing these modifications to the C++ language is the SystemC initiative, which provides an interoperable modeling platform that enables the development and exchange of very fast system-level C++ models. Further information about the SystemC initiative can be obtained from the Open SystemC Initiative (OSCI), which has a website at <http://www.systemc.org> “www.systemc.org.”

Please replace paragraph [0032] with the following paragraph:

[0032] Fig. 4 shows a process for performing simultaneous debugging of HDL code and general purpose programming language code according to an embodiment of the invention. At 402, the simulator is interrupted, e.g., because the external C/C++ debugger has been initiated. At 404 ~~304~~, external debugger requests are being handled by the C/C++ debugger.